

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
13B: Zook-----	45	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50				
Olmitz-----	30	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
Vesser-----	20	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
						Too steep for surface application	0.08
23C: Arispe-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for surface application	0.92
						Depth to saturated zone (NOV-JUL)	0.43
						Too steep for sprinkler application	0.02
23C2: Arispe-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for surface application	0.92
						Depth to saturated zone (NOV-JUL)	0.43

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
24D: Shelby-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24D2: Shelby-----	100	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24E2: Shelby-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
		Too acid	0.02	Too acid	0.07	Restricted permeability Too acid	0.22 0.07
24E3: Shelby-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
24F2: Shelby-----	100	Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
51: Vesser-----	90	Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
		Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Flooding	1.00	Very limited	
						Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
51+: Vesser-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Flooding	1.00	Very limited	
						Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
51B: Vesser-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited	
						Depth to saturated zone (NOV-JUL)	1.00
						Too steep for surface application	0.08
51B+: Vesser-----	90	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited	
						Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
54: Zook-----	95	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
54+: Zook-----	95	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Restricted permeability	1.00
		Flooding	0.60	Restricted permeability	1.00	Flooding	0.60
		Leaching limitation	0.50				
54B: Zook-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50			Too steep for surface application	0.08
65E: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65E2: Lindley-----	95	Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22
65F: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22
65F2: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
65G: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22
65G2: Lindley-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for surface application	1.00
		Too acid	0.08	Restricted permeability	0.22	Too acid	0.31
						Restricted permeability	0.22
93D2: Shelby-----	60	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
Adair-----	40	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.78
94D2: Mystic-----	60	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
Caleb-----	40	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
94E2: Mystic-----	60	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	1.00	Slope	1.00	Too steep for sprinkler application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Too acid	0.08	Too acid	0.31	Depth to saturated zone (NOV-JUL)	1.00
						Too acid	0.31
Caleb-----	35	Very limited		Very limited		Very limited	

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
131B: PersHING-----	90	Slope	1.00	Slope	1.00	Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	1.00
						Too acid	0.31
		Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
		Depth to	0.43	Depth to	0.43	Depth to	0.43
		saturated zone		saturated zone		saturated zone	
		(NOV-JUL)		(NOV-JUL)		(NOV-JUL)	
		Too acid	0.08	Too acid	0.31	Too acid	0.31
131C: PersHING-----	100					Too steep for surface application	0.08
		Very limited		Very limited			
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
		Depth to	0.43	Depth to	0.43	Too steep for	0.92
		saturated zone		saturated zone		surface	
		(NOV-JUL)		(NOV-JUL)		application	
		Too acid	0.08	Too acid	0.31	Depth to	0.43
						saturated zone	
						(NOV-JUL)	
131C2: PersHING-----	100					Too acid	0.31
		Very limited		Very limited		Too steep for	0.02
		Restricted	1.00	Restricted	1.00	sprinkler	
		permeability		permeability		application	
		Depth to	0.43	Depth to	0.43		
		saturated zone		saturated zone			
		(NOV-JUL)		(NOV-JUL)			
		Too acid	0.08	Too acid	0.31	Depth to	0.43
						saturated zone	
						(NOV-JUL)	
						Too acid	0.31

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
131D2: Pershing-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for sprinkler application	0.78
		Too acid	0.08	Too acid	0.31	Depth to saturated zone (NOV-JUL)	0.43
						Too acid	0.31
132B: Weller-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43
		Too acid	0.08	Too acid	0.31	Too acid	0.31
						Too steep for surface application	0.08
132C: Weller-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for surface application	0.92
		Too acid	0.08	Too acid	0.31	Depth to saturated zone (NOV-JUL)	0.43
						Too acid	0.31
						Too steep for sprinkler application	0.02
132C2: Weller-----	100	Very limited		Very limited		Very limited	

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
132D2: Weller-----	100	Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for surface application	0.92
		Too acid	0.08	Too acid	0.31	Depth to saturated zone (NOV-JUL)	0.43
						Too acid	0.31
						Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Too steep for sprinkler application	0.78
		Too acid	0.08	Too acid	0.31	Depth to saturated zone (NOV-JUL)	0.43
						Too acid	0.31
172: Wabash-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Runoff limitation	0.40				
179D2: Gara-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
179E: Gara-----	95					Restricted permeability	0.22
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
179E2: Gara-----	95					Very limited	
		Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
179E3: Gara-----	95					Very limited	
		Very limited Slope	1.00	Very limited Slope	1.00	Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	1.00
						Restricted permeability	0.22
179F: Gara-----	100					Very limited	
		Very limited Slope	1.00	Very limited Slope	1.00	Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
						Restricted permeability	0.22

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
179F2: Gara-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
						Restricted permeability	0.22
179G2: Gara-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for surface application	1.00
						Restricted permeability	0.22
192C2: Adair-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
						Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
192D2: Adair-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.78
211: Edina-----	90	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation Too acid	1.00 1.00 0.40 0.02	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.07	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.07
220: Nodaway-----	90	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
222C: Clarinda-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation Too acid	1.00 1.00 0.40 0.02	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.07	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too acid Too steep for sprinkler application	1.00 1.00 0.92 0.07 0.02
222C2: Clarinda-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Runoff limitation Too acid	1.00 1.00 0.40 0.02	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.07	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too acid Too steep for sprinkler application	1.00 1.00 0.92 0.07 0.02

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
222C3: Clarinda-----	100	Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		(NOV-JUL)		(NOV-JUL)		(NOV-JUL)	
		Runoff limitation	0.40	Too acid	0.07	Too steep for	0.92
						surface	
		Too acid	0.02			application	
						Too acid	0.07
						Too steep for	0.02
						sprinkler	
						application	
222D2: Clarinda-----	100	Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
		Depth to	1.00	Depth to	1.00	Too steep for	1.00
		saturated zone		saturated zone		surface	
		(NOV-JUL)		(NOV-JUL)		application	
		Slope	0.63	Slope	0.63	Depth to	1.00
						saturated zone	
		Runoff limitation	0.40	Too acid	0.07	(NOV-JUL)	
						Too steep for	0.78
		Too acid	0.02			sprinkler	
						application	
						Too acid	0.07
223C2: Rinda-----	100	Very limited		Very limited		Very limited	
		Restricted	1.00	Restricted	1.00	Restricted	1.00
		permeability		permeability		permeability	
		Depth to	1.00	Depth to	1.00	Depth to	1.00
		saturated zone		saturated zone		saturated zone	
		(NOV-JUL)		(NOV-JUL)		(NOV-JUL)	
		Runoff limitation	0.40	Too acid	0.07	Too steep for	0.92
						surface	
		Too acid	0.02			application	
						Too acid	0.07
						Too steep for	0.02
						sprinkler	
						application	
223D2: Rinda-----	100	Very limited		Very limited		Very limited	

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
269: Humeston-----	95	Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Too steep for surface application	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40	Too acid	0.07	Too steep for sprinkler application	0.78
		Too acid	0.02			Too acid	0.07
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Leaching limitation	0.50	Too acid	0.07	Too acid	0.07
269+: Humeston-----	95	Too acid	0.02				
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Leaching limitation	0.50	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
273B: Olmitz-----	100	Flooding	0.60	Flooding	1.00	Flooding	0.60
		Leaching limitation	0.50	Too acid	0.07	Too acid	0.07
		Too acid	0.02				
273C: Olmitz-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.08
273C: Olmitz-----	100	Not limited		Not limited		Somewhat limited	
						Too steep for surface application	0.92

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
313D2: Gosport-----	90					Too steep for sprinkler application	0.02
		Somewhat limited Depth to saturated zone (NOV-JUL)	0.95	Very limited Low adsorption	1.00	Very limited Too steep for surface application	1.00
		Droughty	0.75	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
		Slope	0.63	Droughty	0.75	Too steep for sprinkler application	0.78
		Depth to bedrock	0.46	Slope	0.63	Droughty	0.75
		Restricted permeability	0.30	Depth to bedrock	0.46	Depth to bedrock	0.46
313E2: Gosport-----	90	Very limited Slope	1.00	Very limited Low adsorption	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	0.95	Slope	1.00	Too steep for sprinkler application	1.00
		Droughty	0.75	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
		Depth to bedrock	0.46	Droughty	0.75	Droughty	0.75
		Restricted permeability	0.30	Depth to bedrock	0.46	Depth to bedrock	0.46
313F: Gosport-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Depth to saturated zone (NOV-JUL)	0.95	Low adsorption	1.00	Too steep for surface application	1.00
		Droughty	0.71	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
		Depth to bedrock	0.46	Droughty	0.71	Droughty	0.71

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
313F2: Gosport-----	90	Restricted permeability	0.30	Depth to bedrock	0.46	Depth to bedrock	0.46
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for sprinkler application	1.00
		Depth to saturated zone (NOV-JUL)	0.95	Low adsorption	1.00	Too steep for surface application	1.00
		Droughty	0.75	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
		Depth to bedrock	0.46	Droughty	0.75	Droughty	0.75
		Restricted permeability	0.30	Depth to bedrock	0.46	Depth to bedrock	0.46
362: Haig-----	90	Very limited Restricted permeability	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00	Very limited Depth to saturated zone (NOV-JUL)	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Leaching limitation	0.50				
364B: Grundy-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95	Depth to saturated zone (NOV-JUL)	0.95
						Too steep for surface application	0.08
423C2: Bucknell-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
423D: Bucknell-----	95	Runoff limitation	0.40			Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	0.78
423D2: Bucknell-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Runoff limitation	0.40			Too steep for sprinkler application	0.78
425D: Keswick-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
425D2: Keswick-----	95	Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
430: Ackmore-----	90	Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
		Very limited		Very limited		Very limited	
451D2: Caleb-----	90	Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
451E2: Caleb-----	90	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
451E2: Caleb-----	90					Too acid	0.31
		Very limited Slope	1.00	Very limited Slope	1.00	Very limited	
						Too steep for surface application	1.00
451E2: Caleb-----	90	Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too acid	0.31
452C: Lineville-----	100	Very limited Restricted permeability Depth to dense layer Depth to saturated zone (NOV-JUL)	1.00 1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 1.00 0.92 0.02
452C2: Lineville-----	100	Very limited Restricted permeability Depth to dense layer Depth to saturated zone (NOV-JUL)	1.00 1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 1.00 0.92 0.02
453: Tuskeego-----	95	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Leaching limitation Too acid	1.00 1.00 0.50 0.02	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Flooding Too acid	1.00 1.00 0.40 0.07	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 1.00 0.07
470D2: Lamoni-----	70	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Shelby-----	30	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.02	Too acid	0.07	Too steep for sprinkler application	0.78
						Too acid	0.07
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited	
						Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
		Too acid	0.02	Too acid	0.07	Restricted permeability	0.22
						Too acid	0.07
484: Lawson-----	90	Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
		Runoff limitation	0.40				
587: Chequest-----	90	Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60
		Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
587+: Chequest-----	90	Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Flooding	1.00	Flooding	0.60

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
592C2: Mystic-----	90	Restricted permeability	0.30	Restricted permeability	0.22	Restricted permeability	0.22
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for surface application	0.92
						Too acid	0.31
						Too steep for sprinkler application	0.02
592D2: Mystic-----	90	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.08	Too acid	0.31	Too steep for sprinkler application	0.78
						Too acid	0.31
711: Nodaway-----	70	Somewhat limited		Very limited		Somewhat limited	
		Flooding Runoff limitation	0.60 0.40	Flooding	1.00	Flooding	0.60
Lawson-----	25	Very limited		Very limited		Very limited	
		Depth to saturated zone (NOV-JUL)	1.00	Flooding	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Flooding	0.60	Depth to saturated zone (NOV-JUL)	1.00	Flooding	0.60
		Runoff limitation	0.40				

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
792C: Armstrong-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.92 0.02
792C2: Armstrong-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL)	1.00 1.00	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for surface application Too steep for sprinkler application	1.00 1.00 0.92 0.02
792D: Armstrong-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Slope	1.00 1.00 0.63	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Slope	1.00 1.00 0.63	Very limited Too steep for surface application Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for sprinkler application	1.00 1.00 1.00 0.78
792D2: Armstrong-----	100	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
792D3: Armstrong-----	100	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
						Too steep for sprinkler application	0.78
		Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
						Too steep for sprinkler application	0.78
822C: Lamoni-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.01	Too acid	0.01	Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
						Too acid	0.01
822C2: Lamoni-----	95	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
822D: Lamoni-----	95	Too acid	0.01	Too acid	0.01	Too steep for surface application	0.92
						Too steep for sprinkler application	0.02
						Too acid	0.01
		Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.01	Too acid	0.01	Too steep for sprinkler application	0.78
						Too acid	0.01
822D2: Lamoni-----	95	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
		Too acid	0.01	Too acid	0.01	Too steep for sprinkler application	0.78
						Too acid	0.01
831B: Pershing-----	100	Very limited		Very limited		Very limited	
		Restricted permeability	1.00	Restricted permeability	1.00	Restricted permeability	1.00
		Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43	Depth to saturated zone (NOV-JUL)	0.43
		Too acid	0.08	Too acid	0.31	Too acid	0.31

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
831C: Pershing-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 0.43 0.08	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 0.43 0.31	Very limited Restricted permeability Too steep for surface application Depth to saturated zone (NOV-JUL) Too acid Too steep for sprinkler application	1.00 0.92 0.43 0.31 0.02
831C2: Pershing-----	100	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 0.43 0.08	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Too acid	1.00 0.43 0.31	Very limited Restricted permeability Too steep for surface application Depth to saturated zone (NOV-JUL) Too acid Too steep for sprinkler application	1.00 0.92 0.43 0.31 0.02
894D2: Bucknell-----	65	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Slope Runoff limitation	1.00 1.00 0.63 0.40	Very limited Restricted permeability Depth to saturated zone (NOV-JUL) Slope Too acid	1.00 1.00 0.63 0.07	Very limited Too steep for surface application Restricted permeability Depth to saturated zone (NOV-JUL) Too steep for sprinkler application	1.00 1.00 1.00 0.78

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gara-----	35	Too acid	0.02			Too acid	0.07
		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
						Restricted permeability	0.22
993D2: Gara-----	60	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.78
						Restricted permeability	0.22
Armstrong-----	40	Very limited Restricted permeability	1.00	Very limited Restricted permeability	1.00	Very limited Too steep for surface application	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Restricted permeability	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone (NOV-JUL)	1.00
						Too steep for sprinkler application	0.78
1711: Nodaway-----	65	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Runoff limitation	0.40				
Lawson-----	25	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00	Depth to saturated zone (NOV-JUL)	1.00

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Lucas County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
5021: Orthents-----	100	Not rated		Not rated		Not rated	
5025: Strip Mines-----	100	Not rated		Not rated		Not rated	
5040: Orthents-----	100	Not rated		Not rated		Not rated	
INT: Intermittent Water--	100	Not rated		Not rated		Not rated	
SL: Sewage Lagoon-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	

Agricultural Waste Management

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit					

